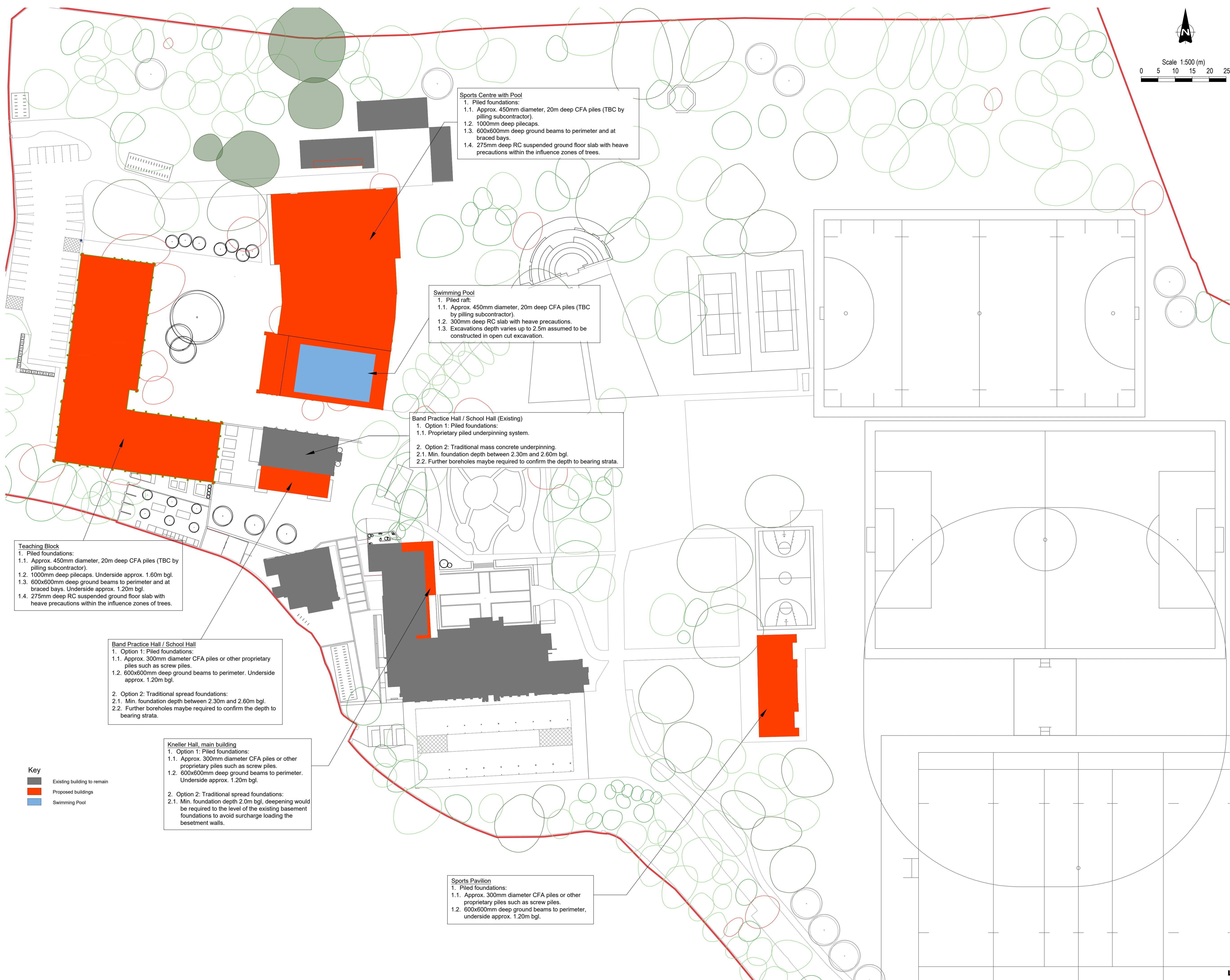


GENERAL NOTES

- All setting out to be in accordance with the Architects drawings. Any discrepancies between the Engineers and the Architects drawings to be referred to the Architect before proceeding. Dimensions must not be scaled.



**Sports Centre with Pool**  
 1. Piled foundations:  
 1.1. Approx. 450mm diameter, 20m deep CFA piles (TBC by piling subcontractor).  
 1.2. 1000mm deep pilecaps.  
 1.3. 600x600mm deep ground beams to perimeter and at braced bays.  
 1.4. 275mm deep RC suspended ground floor slab with heave precautions within the influence zones of trees.

**Swimming Pool**  
 1. Piled raft:  
 1.1. Approx. 450mm diameter, 20m deep CFA piles (TBC by piling subcontractor).  
 1.2. 300mm deep RC slab with heave precautions.  
 1.3. Excavations depth varies up to 2.5m assumed to be constructed in open cut excavation.

**Band Practice Hall / School Hall (Existing)**  
 1. Option 1: Piled foundations:  
 1.1. Proprietary piled underpinning system.  
 2. Option 2: Traditional mass concrete underpinning.  
 2.1. Min. foundation depth between 2.30m and 2.60m bgl.  
 2.2. Further boreholes maybe required to confirm the depth to bearing strata.

**Teaching Block**  
 1. Piled foundations:  
 1.1. Approx. 450mm diameter, 20m deep CFA piles (TBC by piling subcontractor).  
 1.2. 1000mm deep pilecaps. Underside approx. 1.60m bgl.  
 1.3. 600x600mm deep ground beams to perimeter and at braced bays. Underside approx. 1.20m bgl.  
 1.4. 275mm deep RC suspended ground floor slab with heave precautions within the influence zones of trees.

**Band Practice Hall / School Hall**  
 1. Option 1: Piled foundations:  
 1.1. Approx. 300mm diameter CFA piles or other proprietary piles such as screw piles.  
 1.2. 600x600mm deep ground beams to perimeter. Underside approx. 1.20m bgl.  
 2. Option 2: Traditional spread foundations:  
 2.1. Min. foundation depth between 2.30m and 2.60m bgl.  
 2.2. Further boreholes maybe required to confirm the depth to bearing strata.

**Kneller Hall, main building**  
 1. Option 1: Piled foundations:  
 1.1. Approx. 300mm diameter CFA piles or other proprietary piles such as screw piles.  
 1.2. 600x600mm deep ground beams to perimeter. Underside approx. 1.20m bgl.  
 2. Option 2: Traditional spread foundations:  
 2.1. Min. foundation depth 2.0m bgl. deepening would be required to the level of the existing basement foundations to avoid surcharge loading the besetment walls.

**Sports Pavilion**  
 1. Piled foundations:  
 1.1. Approx. 300mm diameter CFA piles or other proprietary piles such as screw piles.  
 1.2. 600x600mm deep ground beams to perimeter, underside approx. 1.20m bgl.

**Key**  
 Existing building to remain  
 Proposed buildings  
 Swimming Pool

**Note!**  
 Foundation and ground floor strategies are based on the soil investigation report prepared by Soil Consultants dated 5th July 2022, report ref: 10728/SG.

P01	Draft Issue	AA	AJS	05.09.22
Rev.	Amendment	Dm	Chkd	Date
Dwg. Status	<b>PRELIMINARY</b>	Suitability	<b>S1</b>	

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Client **Dukes Education Group Ltd**

Project **Kneller Hall, Twickenham**

Title **Foundation Strategy**

Reviewed Scheme Date

Reviewed Final Date

Scales at A1 1: 500 Project No. **L221004**

Project Ref.	Originator	Zone	Level	Type	Role	Dwg No.	Rev.
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